



## Product Information Kraak

### Product Idea

Kraak is our efficient peak shaving storage facility located in the Gaspool market area, which perfectly matches your trading or balancing needs and also has low transport costs due to its unique connection to the transmission and local distribution grid.

### Pricing

We offer Kraak as fixed-price product:

Fixed Price:

P (€/Lot) = your bid

Additional fees:

System Service Fee = 10,000 €/a\*

Variable costs = 0.4 €/MWh\*

\* subject to annual revision according to GTCS

### Product details

Market Area	Gaspool-H	
Owner	HanseWerk AG	
Network Operator	Schleswig-Holstein Netz AG, Hamburg Netz GmbH, ONTRAS Gastransport GmbH	
Contract period	1 year, starting 04/2018	
<b>Bundled Capacities:</b>	<b>Lot size</b>	<b>Total Volume (448 Lots)</b>
WGC (GWh)	6.36 (firm) 0.27 (interr.)	2,970.24 (total)
IR (MWh/h)	3.30 (firm) 1.20 (interr.)	1478.40 (firm) 537,6 (interr.)
WR (MWh/h)	10 (firm)	4480.00 (firm)
Churn rate	81 days in / 92 days out	
Storage curve	Specific curves apply	
Restrictions	Further restrictions apply, please refer to Storage Contract Kraak	
Re-nomination	Intra-day, lead time 2 h	



### Transport

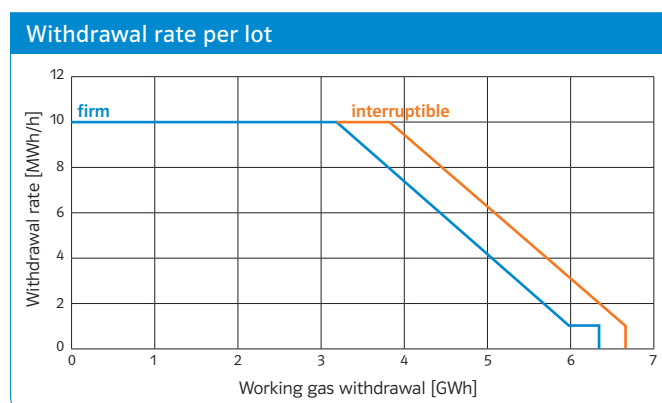
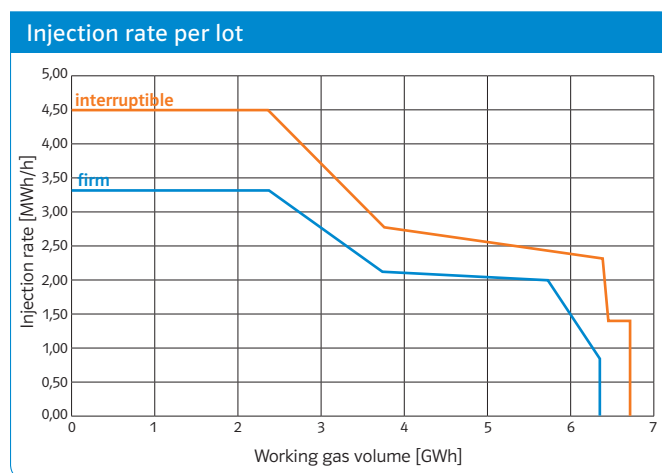
A special feature of Kraak is its connection to the transmission grid of Ontras, and the distribution networks of Schleswig-Holstein Netz AG and Hamburg Netz GmbH. Storage withdrawal is primarily on distribution network level and free of charge. Average transport costs for withdrawal and injection are about 0.28 €/MWh. A costing example and further detailed information can be found in the document "Transmission Information Kraak for the storage year 2018/2019".

### Marketing

Auction scheduled for 06.12.2017 via HAW Storage Portal. Please send the authorization form to us if you are interested.

### Storage Curves

The following storage curves apply:



### Your Contact

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